

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|------------------------------|------------------|---------|---------------------|
| S907 | 2 | ((("5931647") or ("20070276421"))).PN. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:56 |
| S906 | 47 | (S904 or S905) not (S902 or S903) | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:56 |
| S905 | 41 | ("4142524" "4236880" "4273121" "4303376" "4336800" "4479797" "4519792" "4559038" "4798589").PN. OR ("4872813").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:56 |
| S904 | 41 | ("3985133" "4236880" "4273121" "4303376" "4396385" "4479797" "4559038").PN. OR ("4818190").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:56 |
| S903 | 133 | ("2678663" "2725078" "2954738" "3079946" "3294030" "3375759" "3492968" "3551076" "3722506" "3769879" "3976402" "3985133" "3993061" "3995723" "4021157" "4096855" "4131393" "4137913" "4396385" "4403924" "4456009" "4515591" "4519792" "4658585" "4682533" "4684367").PN. OR ("2178953" "4396385" "4729238" "4798589").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:56 |
| S902 | 23 | ("2178953" "3224345" "3250225" "3446154" "3993061" "4086036" "4240335" "4277226" "4396385" "4729238" "4798589").PN. OR ("4940399").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:56 |

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| S901 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:56 |
| S900 | 1 | (10/561725).APP. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:56 |
| S899 | 1545 | S898 and pump | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S898 | 4259 | (plastic with piston) and (plastic with (housing or cylinder or casing)) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S897 | 227 | 417/470.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S896 | 45 | ("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:56 |
| S895 | 47 | ("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235").PN. OR ("5536258").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:56 |
| S894 | 1 | "5536258".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:56 |
| S893 | 50 | S891 or S892 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:56 |
| S892 | 27 | ("2104500" "2284458" "2351525" "3386590" "3532369" "3545625").PN. OR ("3666298").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:56 |
| S891 | 23 | ("2557766" "2647000" "2868602" "2972395").PN. OR ("4013372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:56 |
| S890 | 56 | S889 same rib | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S889 | 2141 | (tub\$3 with connect\$4) same ((press adj fit) or press\$1fit) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S888 | 6395 | (tub\$3 with connect\$4) same ribs | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |

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|------|--------|---|------------------------------|----|-----|---------------------|
| S887 | 400580 | tub\$3 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S886 | 489604 | tub\$5 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S885 | 23 | pressure adj tubule | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S884 | 1 | "3830531".pn. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S883 | 1 | "4335756".pn. | USPAT | OR | OFF | 2011/07/25 16:56 |
| S882 | 27 | ("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:56 |
| S881 | 29 | ("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:56 |
| S880 | 56 | S878 not S879 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S879 | 57 | S878 and (pump or piston) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S878 | 113 | S877 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:56 |
| S877 | 649 | 606/166.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S876 | 22 | S875 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S875 | 529 | 417/535,536,538.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S874 | 137 | S873 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S873 | 809 | 417/212,218,221.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S872 | 100 | S871 not S868 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S871 | 127 | S869 or S870 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S870 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S869 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:55 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| S868 | 283 | S865 or S864 or S866 or S867 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S867 | 93 | ("1902418" "2147652" "2804075" "3429313").PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S866 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S865 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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| | | "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | | | | |
| S864 | 3 | ((("6216573") or ("5370609") or ("5931647"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S863 | 182 | S857 or S858 or S859 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S862 | 127 | S860 or S861 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S861 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S860 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S859 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S858 | 100 | ("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" "4655197" "4690672" "4694828" "4705500" "4764165" "4776840" "4790824" "4817599" "4857047" "4861340" "4878900" "4898574" "4908015" "4913698" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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| | | "4915691" "4935006" "4944726" "4950238" "5013300" "5019037" "5024615" "5033961" "5037431" "5037432" "5046486" "5047008" "5049124" "5064413" "5135482" "5135484" "5176645" "5218956" "5261883" "5322504" "5361583" "5364405" "5370609" "5413556"). PN. OR ("5735815").URPN. | | | | |
| S857 | 63 | ("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" "5368452" "5370609"). PN. OR ("5871462").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S856 | 283 | S851 or S849 or S854 or S855 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S855 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S854 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S853 | 2 | ((("3930505") or ("4690672")).PN. | USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| S852 | 113 | ("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170" "4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S851 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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| | | "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | | | | |
| S850 | 1 | "20010043874" | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S849 | 3 | ((("6216573") or ("5370609") or ("5931647"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S848 | 11 | Pein-Andreas.in. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S847 | 1 | "10561725" | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S846 | 450 | 606/166.ccls. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S845 | 1545 | S844 and pump | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S844 | 4259 | (plastic with piston) and (plastic with (housing or cylinder or casing)) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S843 | 227 | 417/470.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |

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|------|--------|--|------------------------------|----|-----|---------------------|
| S842 | 45 | ("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S841 | 47 | ("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235").PN. OR ("5536258").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S840 | 1 | "5536258".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S839 | 50 | S837 or S838 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S838 | 27 | ("2104500" "2284458" "2351525" "3386590" "3532369" "3545625").PN. OR ("3666298").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S837 | 23 | ("2557766" "2647000" "2868602" "2972395").PN. OR ("4013372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S836 | 56 | S835 same rib | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S835 | 2141 | (tub\$3 with connect\$4) same ((press adj fit) or press\$1fit) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S834 | 6395 | (tub\$3 with connect\$4) same ribs | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S833 | 400580 | tub\$3 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S832 | 489604 | tub\$5 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S831 | 23 | pressure adj tubule | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S830 | 1 | "3830531".pn. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S829 | 1 | "4335756".pn. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S828 | 27 | ("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S827 | 29 | ("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| S826 | 56 | S824 not S825 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S825 | 57 | S824 and (pump or piston) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S824 | 113 | S823 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S823 | 649 | 606/166.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S822 | 22 | S821 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S821 | 529 | 417/535,536,538.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S820 | 137 | S819 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S819 | 809 | 417/212,218,221.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S818 | 100 | S817 not S814 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S817 | 127 | S815 or S816 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S816 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S815 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S814 | 283 | S811 or S810 or S812 or S813 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S813 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S812 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S811 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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| S810 | 3 | ((("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S809 | 182 | S803 or S804 or S805 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S808 | 127 | S806 or S807 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S807 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S806 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:55 |

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| S805 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S804 | 100 | ("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" "4655197" "4690672" "4694828" "4705500" "4764165" "4776840" "4790824" "4817599" "4857047" "4861340" "4878900" "4898574" "4908015" "4913698" "4915691" "4935006" "4944726" "4950238" "5013300" "5019037" "5024615" "5033961" "5037431" "5037432" "5046486" "5047008" "5049124" "5064413" "5135482" "5135484" "5176645" "5218956" "5261883" "5322504" "5361583" "5364405" "5370609" "5413556"). PN. OR ("5735815").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| S803 | 63 | ("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" "5368452" "5370609"). PN. OR ("5871462").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S802 | 283 | S797 or S795 or S800 or S801 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S801 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S800 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S799 | 2 | ((("3930505") or ("4690672"))).PN. | USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S798 | 113 | ("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| | | "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170" "4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN. | | | | |
| S797 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|------|--|------------------------------|----|-----|---------------------|
| | | "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | | | | |
| S796 | 1 | "20010043874" | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S795 | 3 | ((("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S794 | 11 | Pein-Andreas.in. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S793 | 1 | "10561725" | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S792 | 450 | 606/166.ccls. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S791 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:55 |
| S790 | 1 | (10/561725).APP. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S789 | 1545 | S788 and pump | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S788 | 4259 | (plastic with piston) and (plastic with (housing or cylinder or casing)) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S787 | 227 | 417/470.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S786 | 45 | ("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S785 | 47 | ("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235"). PN. OR ("5536258").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|--------|---|------------------------------|----|-----|---------------------|
| S784 | 1 | "5536258".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S783 | 50 | S781 or S782 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S782 | 27 | ("2104500" "2284458" "2351525" "3386590" "3532369" "3545625"). PN. OR ("3666298").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S781 | 23 | ("2557766" "2647000" "2868602" "2972395"). PN. OR ("4013372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S780 | 56 | S779 same rib | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S779 | 2141 | (tub\$3 with connect\$4) same ((press adj fit) or press\$1fit) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S778 | 6395 | (tub\$3 with connect\$4) same ribs | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S777 | 400580 | tub\$3 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S776 | 489604 | tub\$5 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S775 | 23 | pressure adj tubule | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S774 | 1 | "3830531".pn. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S773 | 1 | "4335756".pn. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S772 | 27 | ("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S771 | 29 | ("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S770 | 56 | S768 not S769 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S769 | 57 | S768 and (pump or piston) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S768 | 113 | S767 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S767 | 649 | 606/166.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| S766 | 22 | S765 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S765 | 529 | 417/535,536,538.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S764 | 137 | S763 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S763 | 809 | 417/212,218,221.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S762 | 100 | S761 not S758 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S761 | 127 | S759 or S760 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S760 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S759 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S758 | 283 | S755 or S754 or S756 or S757 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S757 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S756 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S755 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| | | "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | | | | |
| S754 | 3 | ((("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S753 | 182 | S747 or S748 or S749 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S752 | 127 | S750 or S751 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S751 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S750 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S749 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| S748 | 100 | ("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" "4655197" "4690672" "4694828" "4705500" "4764165" "4776840" "4790824" "4817599" "4857047" "4861340" "4878900" "4898574" "4908015" "4913698" "4915691" "4935006" "4944726" "4950238" "5013300" "5019037" "5024615" "5033961" "5037431" "5037432" "5046486" "5047008" "5049124" "5064413" "5135482" "5135484" "5176645" "5218956" "5261883" "5322504" "5361583" "5364405" "5370609" "5413556"). PN. OR ("5735815").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S747 | 63 | ("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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| | | "5368452" "5370609"). PN. OR ("5871462").URPN. | | | | |
| S746 | 283 | S741 or S739 or S744 or S745 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S745 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S744 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S743 | 2 | (("3930505") or ("4690672")).PN. | USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S742 | 113 | ("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170" "4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| S741 | 119 | (("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S740 | 1 | "20010043874" | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S739 | 3 | ((("6216573") or ("5370609") or ("5931647"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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| S738 | 11 | Pein-Andreas.in. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S737 | 1 | "10561725" | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S736 | 450 | 606/166.ccls. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S735 | 1545 | S734 and pump | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S734 | 4259 | (plastic with piston) and (plastic with (housing or cylinder or casing)) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S733 | 227 | 417/470.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S732 | 45 | ("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S731 | 47 | ("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235"). PN. OR ("5536258").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S730 | 1 | "5536258".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S729 | 50 | S727 or S728 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S728 | 27 | ("2104500" "2284458" "2351525" "3386590" "3532369" "3545625"). PN. OR ("3666298").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S727 | 23 | ("2557766" "2647000" "2868602" "2972395"). PN. OR ("4013372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S726 | 56 | S725 same rib | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S725 | 2141 | (tub\$3 with connect\$4) same ((press adj fit) or press\$1fit) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S724 | 6395 | (tub\$3 with connect\$4) same ribs | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S723 | 400580 | tub\$3 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S722 | 489604 | tub\$5 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S721 | 23 | pressure adj tubule | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |

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| S720 | 1 | "3830531".pn. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S719 | 1 | "4335756".pn. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S718 | 27 | ("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S717 | 29 | ("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S716 | 56 | S714 not S715 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S715 | 57 | S714 and (pump or piston) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S714 | 113 | S713 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S713 | 649 | 606/166.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S712 | 22 | S711 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S711 | 529 | 417/535,536,538.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S710 | 137 | S709 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S709 | 809 | 417/212,218,221.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S708 | 100 | S707 not S704 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S707 | 127 | S705 or S706 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S706 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S705 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S704 | 283 | S701 or S700 or S702 or S703 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S703 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| S702 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S701 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| S700 | 3 | ((("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S699 | 182 | S693 or S694 or S695 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S698 | 127 | S696 or S697 | USPAT | OR | OFF | 2011/07/25 16:55 |
| S697 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S696 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S695 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S694 | 100 | ("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" "4655197" "4690672" "4694828" "4705500" "4764165" "4776840" "4790824" "4817599" "4857047" "4861340" "4878900" "4898574" "4908015" "4913698" "4915691" "4935006" "4944726" "4950238" "5013300" "5019037" "5024615" "5033961" "5037431" "5037432" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| | | "5046486" "5047008" "5049124" "5064413" "5135482" "5135484" "5176645" "5218956" "5261883" "5322504" "5361583" "5364405" "5370609" "5413556"). PN. OR ("5735815").URPN. | | | | |
| S693 | 63 | ("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" "5368452" "5370609"). PN. OR ("5871462").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S692 | 283 | S687 or S685 or S690 or S691 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S691 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S690 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S689 | 2 | ((("3930505") or ("4690672"))).PN. | USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S688 | 113 | ("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| | | "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170" "4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN. | | | | |
| S687 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| | | "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | | | | |
| S686 | 1 | "20010043874" | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S685 | 3 | ((("6216573") or ("5370609") or ("5931647"))).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:55 |
| S684 | 11 | Pein-Andreas.in. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S683 | 1 | "10561725" | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S682 | 450 | 606/166.ccls. | USPAT | OR | OFF | 2011/07/25 16:55 |
| S681 | 2 | ((("5931647") or ("20070276421"))).PN. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S680 | 47 | (S678 or S679) not (S676 or S677) | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:55 |
| S679 | 41 | ("4142524" "4236880" "4273121" "4303376" "4336800" "4479797" "4519792" "4559038" "4798589").PN. OR ("4872813").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:55 |
| S678 | 41 | ("3985133" "4236880" "4273121" "4303376" "4396385" "4479797" "4559038").PN. OR ("4818190").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:55 |

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|------|------|--|------------------------------|----|-----|---------------------|
| S677 | 133 | ("2678663" "2725078" "2954738" "3079946" "3294030" "3375759" "3492968" "3551076" "3722506" "3769879" "3976402" "3985133" "3993061" "3995723" "4021157" "4096855" "4131393" "4137913" "4396385" "4403924" "4456009" "4515591" "4519792" "4658585" "4682533" "4684367"). PN. OR ("2178953" "4396385" "4729238" "4798589").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:55 |
| S676 | 23 | ("2178953" "3224345" "3250225" "3446154" "3993061" "4086036" "4240335" "4277226" "4396385" "4729238" "4798589").PN. OR ("4940399").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:55 |
| S675 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:55 |
| S674 | 1 | (10/561725).APP. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:55 |
| S673 | 1545 | S672 and pump | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:55 |
| S672 | 4259 | (plastic with piston) and (plastic with (housing or cylinder or casing)) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S671 | 227 | 417/470.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S670 | 45 | ("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S669 | 47 | ("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235"). PN. OR ("5536258").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|--------|---|------------------------------|----|-----|---------------------|
| S668 | 1 | "5536258".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S667 | 50 | S665 or S666 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S666 | 27 | ("2104500" "2284458" "2351525" "3386590" "3532369" "3545625"). PN. OR ("3666298").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S665 | 23 | ("2557766" "2647000" "2868602" "2972395"). PN. OR ("4013372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S664 | 56 | S663 same rib | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S663 | 2141 | (tub\$3 with connect\$4) same ((press adj fit) or press\$1fit) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S662 | 6395 | (tub\$3 with connect\$4) same ribs | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S661 | 400580 | tub\$3 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S660 | 489604 | tub\$5 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S659 | 23 | pressure adj tubule | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S658 | 1 | "3830531".pn. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S657 | 1 | "4335756".pn. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S656 | 27 | ("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S655 | 29 | ("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S654 | 56 | S652 not S653 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S653 | 57 | S652 and (pump or piston) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S652 | 113 | S651 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S651 | 649 | 606/166.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| S650 | 22 | S649 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S649 | 529 | 417/535,536,538.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S648 | 137 | S647 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S647 | 809 | 417/212,218,221.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S646 | 100 | S645 not S642 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S645 | 127 | S643 or S644 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S644 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S643 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S642 | 283 | S639 or S638 or S640 or S641 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S641 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S640 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S639 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| | | "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | | | | |
| S638 | 3 | ((("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S637 | 182 | S631 or S632 or S633 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S636 | 127 | S634 or S635 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S635 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S634 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S633 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| S632 | 100 | ("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" "4655197" "4690672" "4694828" "4705500" "4764165" "4776840" "4790824" "4817599" "4857047" "4861340" "4878900" "4898574" "4908015" "4913698" "4915691" "4935006" "4944726" "4950238" "5013300" "5019037" "5024615" "5033961" "5037431" "5037432" "5046486" "5047008" "5049124" "5064413" "5135482" "5135484" "5176645" "5218956" "5261883" "5322504" "5361583" "5364405" "5370609" "5413556"). PN. OR ("5735815").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S631 | 63 | ("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| | | "5368452" "5370609"). PN. OR ("5871462").URPN. | | | | |
| S630 | 283 | S625 or S623 or S628 or S629 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S629 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S628 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S627 | 2 | (("3930505") or ("4690672")).PN. | USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S626 | 113 | ("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170" "4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| S625 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S624 | 1 | "20010043874" | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S623 | 3 | (("6216573") or "5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|--------|---|------------------------------|----|-----|---------------------|
| S622 | 11 | Pein-Andreas.in. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:54 |
| S621 | 1 | "10561725" | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:54 |
| S620 | 450 | 606/166.ccls. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S619 | 1545 | S618 and pump | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S618 | 4259 | (plastic with piston) and (plastic with (housing or cylinder or casing)) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S617 | 227 | 417/470.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S616 | 45 | ("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S615 | 47 | ("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235"). PN. OR ("5536258").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S614 | 1 | "5536258".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S613 | 50 | S611 or S612 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S612 | 27 | ("2104500" "2284458" "2351525" "3386590" "3532369" "3545625"). PN. OR ("3666298").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S611 | 23 | ("2557766" "2647000" "2868602" "2972395"). PN. OR ("4013372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S610 | 56 | S609 same rib | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S609 | 2141 | (tub\$3 with connect\$4) same ((press adj fit) or press\$1fit) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S608 | 6395 | (tub\$3 with connect\$4) same ribs | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S607 | 400580 | tub\$3 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S606 | 489604 | tub\$5 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S605 | 23 | pressure adj tubule | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| S604 | 1 | "3830531".pn. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S603 | 1 | "4335756".pn. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S602 | 27 | ("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S601 | 29 | ("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S600 | 56 | S598 not S599 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S599 | 57 | S598 and (pump or piston) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S598 | 113 | S597 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S597 | 649 | 606/166.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S596 | 22 | S595 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S595 | 529 | 417/535,536,538.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S594 | 137 | S593 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S593 | 809 | 417/212,218,221.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S592 | 100 | S591 not S588 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S591 | 127 | S589 or S590 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S590 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S589 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S588 | 283 | S585 or S584 or S586 or S587 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S587 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| S586 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S585 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| S584 | 3 | ((("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S583 | 182 | S577 or S578 or S579 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S582 | 127 | S580 or S581 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S581 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S580 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S579 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S578 | 100 | ("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" "4655197" "4690672" "4694828" "4705500" "4764165" "4776840" "4790824" "4817599" "4857047" "4861340" "4878900" "4898574" "4908015" "4913698" "4915691" "4935006" "4944726" "4950238" "5013300" "5019037" "5024615" "5033961" "5037431" "5037432" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| | | "5046486" "5047008" "5049124" "5064413" "5135482" "5135484" "5176645" "5218956" "5261883" "5322504" "5361583" "5364405" "5370609" "5413556"). PN. OR ("5735815").URPN. | | | | |
| S577 | 63 | ("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" "5368452" "5370609"). PN. OR ("5871462").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S576 | 283 | S571 or S569 or S574 or S575 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S575 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S574 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S573 | 2 | ((("3930505") or ("4690672"))).PN. | USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S572 | 113 | ("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| | | "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170" "4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN. | | | | |
| S571 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|------|---|------------------------------|----|-----|---------------------|
| | | "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | | | | |
| S570 | 1 | "20010043874" | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S569 | 3 | ((("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S568 | 11 | Pein-Andreas.in. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:54 |
| S567 | 1 | "10561725" | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:54 |
| S566 | 450 | 606/166.ccls. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S565 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2011/07/25 16:54 |
| S564 | 1 | (10/561725).APP. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:54 |
| S563 | 1545 | S562 and pump | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S562 | 4259 | (plastic with piston) and (plastic with (housing or cylinder or casing)) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S561 | 227 | 417/470.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |

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|------|--------|--|------------------------------|----|-----|---------------------|
| S560 | 45 | ("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S559 | 47 | ("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235").PN. OR ("5536258").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S558 | 1 | "5536258".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S557 | 50 | S555 or S556 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S556 | 27 | ("2104500" "2284458" "2351525" "3386590" "3532369" "3545625").PN. OR ("3666298").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S555 | 23 | ("2557766" "2647000" "2868602" "2972395").PN. OR ("4013372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S554 | 56 | S553 same rib | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S553 | 2141 | (tub\$3 with connect\$4) same ((press adj fit) or press\$1fit) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S552 | 6395 | (tub\$3 with connect\$4) same ribs | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S551 | 400580 | tub\$3 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S550 | 489604 | tub\$5 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S549 | 23 | pressure adj tubule | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S548 | 1 | "3830531".pn. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S547 | 1 | "4335756".pn. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S546 | 27 | ("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S545 | 29 | ("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|-----|---|------------------------------|----|-----|---------------------|
| S544 | 56 | S542 not S543 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S543 | 57 | S542 and (pump or piston) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S542 | 113 | S541 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S541 | 649 | 606/166.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S540 | 22 | S539 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S539 | 529 | 417/535,536,538.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S538 | 137 | S537 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S537 | 809 | 417/212,218,221.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S536 | 100 | S535 not S532 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S535 | 127 | S533 or S534 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S534 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S533 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S532 | 283 | S529 or S528 or S530 or S531 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S531 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S530 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S529 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| | | "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | | | | |
| S528 | 3 | ((("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S527 | 182 | S521 or S522 or S523 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S526 | 127 | S524 or S525 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S525 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S524 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:54 |

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| S523 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S522 | 100 | ("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" "4655197" "4690672" "4694828" "4705500" "4764165" "4776840" "4790824" "4817599" "4857047" "4861340" "4878900" "4898574" "4908015" "4913698" "4915691" "4935006" "4944726" "4950238" "5013300" "5019037" "5024615" "5033961" "5037431" "5037432" "5046486" "5047008" "5049124" "5064413" "5135482" "5135484" "5176645" "5218956" "5261883" "5322504" "5361583" "5364405" "5370609" "5413556"). PN. OR ("5735815").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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| S521 | 63 | ("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" "5368452" "5370609"). PN. OR ("5871462").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S520 | 283 | S515 or S513 or S518 or S519 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S519 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S518 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S517 | 2 | ((("3930505") or ("4690672"))).PN. | USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S516 | 113 | ("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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| | | "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170" "4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN. | | | | |
| S515 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" "5368452" "5370609" "5378126" "5415528" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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| | | "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | | | | |
| S514 | 1 | "20010043874" | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S513 | 3 | ((("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S512 | 11 | Pein-Andreas.in. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:54 |
| S511 | 1 | "10561725" | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:54 |
| S510 | 450 | 606/166.ccls. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S509 | 1545 | S508 and pump | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S508 | 4259 | (plastic with piston) and (plastic with (housing or cylinder or casing)) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S507 | 227 | 417/470.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S506 | 45 | ("4354490" "4559033" "4564361" "4919658" "4933178").PN. OR ("5049139").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S505 | 47 | ("0802383" "0928055" "2258066" "3707240" "4551146" "5049139" "5176415" "5330235"). PN. OR ("5536258").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S504 | 1 | "5536258".pn. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S503 | 50 | S501 or S502 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S502 | 27 | ("2104500" "2284458" "2351525" "3386590" "3532369" "3545625"). PN. OR ("3666298").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S501 | 23 | ("2557766" "2647000" "2868602" "2972395"). PN. OR ("4013372").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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|------|--------|---|------------------------------|----|-----|---------------------|
| S500 | 56 | S499 same rib | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S499 | 2141 | (tub\$3 with connect\$4) same ((press adj fit) or press\$1fit) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S498 | 6395 | (tub\$3 with connect\$4) same ribs | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S497 | 400580 | tub\$3 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S496 | 489604 | tub\$5 with connect\$4 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S495 | 23 | pressure adj tubule | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S494 | 1 | "3830531".pn. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S493 | 1 | "4335756".pn. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S492 | 27 | ("2107987" "2321994" "2666564" "3991797" "4234107" "4254806" "4273263" "4318431" "4373560").PN. OR ("4667709").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S491 | 29 | ("2032163" "2245287" "2503907" "3443521" "3496874").PN. OR ("4234107").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S490 | 56 | S488 not S489 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S489 | 57 | S488 and (pump or piston) | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S488 | 113 | S487 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S487 | 649 | 606/166.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S486 | 22 | S485 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S485 | 529 | 417/535,536,538.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S484 | 137 | S483 and eccentric | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S483 | 809 | 417/212,218,221.ccls. | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S482 | 100 | S481 not S478 | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S481 | 127 | S479 or S480 | USPAT | OR | OFF | 2011/07/25 16:54 |

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|------|-----|--|------------------------------|----|-----|---------------------|
| S480 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S479 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S478 | 283 | S475 or S474 or S476 or S477 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S477 | 93 | ("1902418" "2147652" "2804075" "3429313").PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S476 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S475 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" "4811902" "4818190" "4827679" "4842584" "4857048" "4872813" "4896085" "4898574" "4913698" "4927411" "4937985" "4940399" "4950238" "4958963" "5006050" "5011468" "5018670" "5037431" "5052624" "5056992" "5074862" "5092744" "5098262" "5125582" "5133687" "5135482" "5154589" "5162016" "5186615" "5201643" "5205779" "5230443" "5237309" "5252044" "5259842" "5261883" "5281108" "5314375" "5322504" "5339715" "5344292" "5364234" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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| | | "5368452" "5370609" "5378126" "5415528" "5429485" "5449369" "5464392" "5476368" "5505729" "5540568" "5542918" "5554013" "5562692" "5586868" "5591184" "5620414" "5647852" "5667102" "5674226" "5713878" "5871462").PN. OR ("6216573").URPN. | | | | |
| S474 | 3 | (("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S473 | 182 | S467 or S468 or S469 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S472 | 127 | S470 or S471 | USPAT | OR | OFF | 2011/07/25 16:54 |
| S471 | 116 | ("2564809" "2646042" "3429313" "3513846" "3517665" "3572319" "3693613").PN. OR ("3812855").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S470 | 17 | ("3496874").URPN. | USPAT | OR | OFF | 2011/07/25 16:54 |
| S469 | 81 | ("1889425" "3590813" "3811795" "3930505" "3993054" "4024966" "4186733" "4368734" "4441488" "4690672" "4694828" "4935006" "4944726" "5024615" "5037431" "5135482" "5261883" "5361583" "5370609").PN. OR ("5591184").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S468 | 100 | ("1889425" "3353537" "3452745" "3515130" "3542017" "3561433" "3590813" "3605745" "3768472" "3792701" "3811795" "3906954" "3930505" "3993054" "3994297" "4018623" "4024866" "4186733" "4278078" "4282867" "4349130" "4365752" "4368734" "4412823" "4441488" "4515532" "4534340" "4560373" "4561856" "4570632" "4583531" "4589412" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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| S467 | 63 | ("3818913" "3930505" "4111490" "4465438" "4479760" "4479761" "4479762" "4560373" "4662829" "4690672" "4741678" "4761039" "4776769" "4795217" "4798339" "4811902" "4827679" "4898574" "4913698" "4937985" "4950238" "5018670" "5037431" "5052624" "5074862" "5092744" "5125582" "5133687" "5135482" "5162016" "5186615" "5201643" "5205779" "5230443" "5309899" "5314375" "5322504" "5364234" "5368452" "5370609"). PN. OR ("5871462").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S466 | 283 | S461 or S459 or S464 or S465 | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S465 | 93 | ("1902418" "2147652" "2804075" "3429313"). PN. OR ("4690672").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S464 | 121 | ("3589363" "3812855" "3818913").PN. OR ("3930505").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S463 | 2 | ((("3930505") or ("4690672")).PN. | USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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| S462 | 113 | ("0247360" "0695589" "0789430" "1032187" "1460628" "1536415" "1815907" "2022443" "2393442" "2501707" "2645449" "2653580" "2709118" "2750746" "2766701" "2782801" "2856961" "3019739" "3095785" "3177780" "3216332" "3268201" "3275331" "3300703" "3414693" "3463193" "3509890" "3510177" "3515169" "3552441" "3648568" "3742822" "3802805" "3847453" "4042248" "4055107" "4085941" "4089349" "4095566" "4128227" "4159024" "4197786" "4222575" "4241644" "4280741" "4384511" "4392034" "4433795" "4437821" "4448425" "4449717" "4468170" "4549718" "4627795" "4637295" "4674965" "4721133" "4723755" "4751867" "4759553" "4804913" "4900883" "4974755" "4975679" "5104374" "5140113" "5144882" "5199718" "5267721" "5380017" "5429602" "5440968" "5467689").PN. OR ("5931647").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S461 | 119 | ("2648288" "3496874" "3771907" "3818913" "3874826" "3930505" "4111490" "4142524" "4199307" "4216906" "4336800" "4410322" "4435902" "4465438" "4479760" "4479761" "4479762" "4557725" "4560373" "4573883" "4614481" "4635621" "4637551" "4657490" "4662829" "4690672" "4741678" "4749337" "4754929" "4761039" "4776769" "4795217" "4798339" "4798589" | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |

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| S460 | 1 | "20010043874" | US-PGPUB; USPAT | OR | ON | 2011/07/25 16:54 |
| S459 | 3 | ((("6216573") or ("5370609") or ("5931647")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2011/07/25 16:54 |
| S458 | 11 | Pein-Andreas.in. | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:54 |
| S457 | 1 | "10561725" | US-PGPUB; USPAT | OR | OFF | 2011/07/25 16:54 |
| S456 | 450 | 606/166.ccls. | USPAT | OR | OFF | 2011/07/25 16:54 |

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8/ 2/ 2011 3:16:13 PM**C:\ Documents and Settings\j miles\ My Documents\ EAST\ Workspaces\ 10561725.wsp**